

Peak District National Park

Forecast valid from 06:00 on Monday 31 Jul 2023 until 23:59 on Tuesday 01 Aug 2023

Forecast Issued on Monday 31 Jul 2023 at 03:25

Confidence: Only moderate confidence in forecast details over the next few days, particularly with the timing and extent of rain and showers.

Headline for Monday 31 Jul 2023: A dull and drizzly morning. Short-lived bright spells and showers into the afternoon, becoming more frequent and locally heavy.

Mountain weather hazards on Monday 31 Jul 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

Low Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

No Likelihood

Heavy persistent rain

Medium Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Drizzle	Cloudy	Light rain showers	Heavy rain showers	Heavy rain showers	Heavy rain showers (night)
Precipitation probability					
30%	10%	60%	80%	80%	70%

Forecast for Monday 31 Jul 2023

Weather: Overnight rain and drizzle will largely clear after dawn to leave some bright spells during the morning. Remaining fairly cloudy throughout however, with scattered showers becoming increasingly frequent into the afternoon and early evening. Showers locally heavy at times with a small chance of a thundery downpour later in the day. Fresh to strong west or south-westerly winds, particularly gusty in and around showers.

Chance of cloud-free hill tops above 600m: 30% early on improving to 80%.

Low cloud and visibility: Extensive low cloud initially with bases around 300-400m, increasingly lifting and clearing in the east after dawn and more gradually over western slopes, with breaks developing by mid-morning. Bases remaining close to or just above the higher summits throughout, but lowering to about 500m in showers. Visibility poor in early drizzle and in heavy downpours, moderate in lighter showers. Good visibility outside of showers.

Forecast for Monday 31 Jul 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	20/24 SW	20/26 W	19/25 W	21/28 W	21/28 W	20/27 W	18/24 W
300	15/21 SW	16/21 SW	15/22 W	17/24 W	14/20 W	15/22 SW	13/20 SW
Valley	10/21 SW	11/21 SW	12/22 W	12/23 W	10/22 W	10/21 SW	9/19 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/10	12/9	12/9	12/8	11/8	11/8	11/8
300	14/12	14/12	14/12	14/11	14/11	13/11	13/10
Valley	15/14	15/14	15/13	15/13	14/12	14/12	13/12
Freezing Level*	2600m	2500m	2600m	2600m	2500m	2500m	2400m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Low cloud, drizzle and poor visibility affecting many routes initially, making for some difficult navigation. Generally better walking conditions in the afternoon but low cloud may still shroud some higher routes, particularly if showers merge to give longer spells of rain. Care should be taken later in the day with the risk of heavy showers and the odd rumble of thunder increasing. Generally feeling cool through the day, particularly at height given the strong westerly winds.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Mon 31 Jul 2023	10.2mm	10.6mm	10.8mm

Forecast for Tuesday 01 Aug 2023

Weather: Some early low cloud lifting and breaking to give a bright day with plenty of sunny spells. Scattered showers may merge to give longer spells of rain early in the day, but easing through the afternoon to give a fine evening. Cloud thickening from the west late on.

Maximum wind: West 15-20mph, with gusts 25-30mph, turning southwest and easing late on.

Chance of cloud-free hill tops above 600m: 60% initially, improving to 90% through the morning.

Low cloud and visibility: Some low cloud with bases around 500-600m, particularly affecting western facing slopes in the northern Peaks. Cloud then lifting and dissipating to give plenty of sunny spells. Bases likely remaining above summits for the remainder of the day, even in the vicinity of showers. Visibility very good, but moderate in showers.

Temperature: **Valleys:** Plus 13 Celsius, rising to Plus 18 Celsius.
At 600m: Plus 11 Celsius, rising to Plus 15 Celsius.
Freezing level: Remaining well above summits.